

				9	18	27	36	45	54									
5'	TCT	GCG	TTG	GGC	AGG	CTG	CCC	GGG	CCG	TGG	CAG	GAA	GCS	GGA	AGC	AGC	CGC	GGC
				63	72	81	90	99	108									
	CCC	AGT	TCG	GGA	GAC	ATG	GCG	GGC	GTT	AAA	GCT	CTC	GTG	GCA	TTA	TCC	TTC	AGT
				M	A	G	V	K	A	L	V	A	L	S	F	S		
				117	126	135	144	153	162									
	GGG	GCT	ATT	GGA	CTG	ACT	TTT	CTT	ATG	CTG	GGA	TGT	GCC	TTA	GAG	GAT	TAT	GGC
	G	A	I	G	L	T	F	L	M	L	G	C	A	L	E	D	Y	G
				171	180	189	198	207	216									
	GTT	TAC	TGG	CCC	TTA	TTC	GTC	CTG	ATT	TTC	CAC	GGC	ATC	TCC	CCC	ATC	CCC	CAT
	V	Y	W	P	L	F	V	L	I	F	H	G	I	S	P	I	P	H
				225	234	243	252	261	270									
	TTC	ATT	GCC	AAA	AGA	GTC	ACC	TAT	GAC	TCA	GAT	GCA	ACC	AGT	AGT	GCC	TGT	CGG
	F	I	A	K	R	V	T	Y	D	S	D	A	T	S	S	A	C	R
				279	288	297	306	315	324									
	GAA	CTG	GCA	TAT	TTC	TTC	ACT	ACT	GGA	ATT	GTT	GTT	TCT	GCC	TTT	GGA	TTT	CCT
	E	L	A	Y	F	F	T	T	G	I	V	V	S	A	F	G	F	P

Docket No.: PF-0111-3 CON
Inventors: Baillieu et al.
Title: NOVEL HUMAN LEPTIN RECEPTOR GENE-RELATED PROTEIN
Serial No.: 09/993,756



FIGURE 1A

333	342	351	360	369	378
GTT ATT CTT GCT GTG GCT GTG ATC AAA TGG GGA GCC TGC TGC CTT GTG GTG TTG					
V I L A R A V A V I K W G A C G L V L					
337	396	405	414	423	432
GCA GGC AAT GCA GTC ATT TTC CTT ACA ATT CAA GGG TTT TTC CTT ATA TTT GGA					
A G N A V I F L T I Q G F F L I F G					
441	450	459	468	477	486
AGA GGA GAT GAT TTT AGC TGG GAG CAG TGG TAG CAC TTT ATT CTG ATT ACA GTG					
R G D D F S W E Q W					
495	504	513	522	531	540
CAT TGA ATT TCT TAG AAC TCA TAC TAT CTG TAT ACA TGT GCA CAT GCG GCA TTT					
549	558	567	576	585	594
TAC TAT GAA ATT TAA TAT GCT GGG TTT TTT AAT ACC TTT ATA TAT CAT GTT CAC					
603	612	621	630	639	648
TTT AAG AAA GAC TTC ATA AGT AGG AGA TGA GTT TTA TTC TCA GCA AAT AGA CCT					

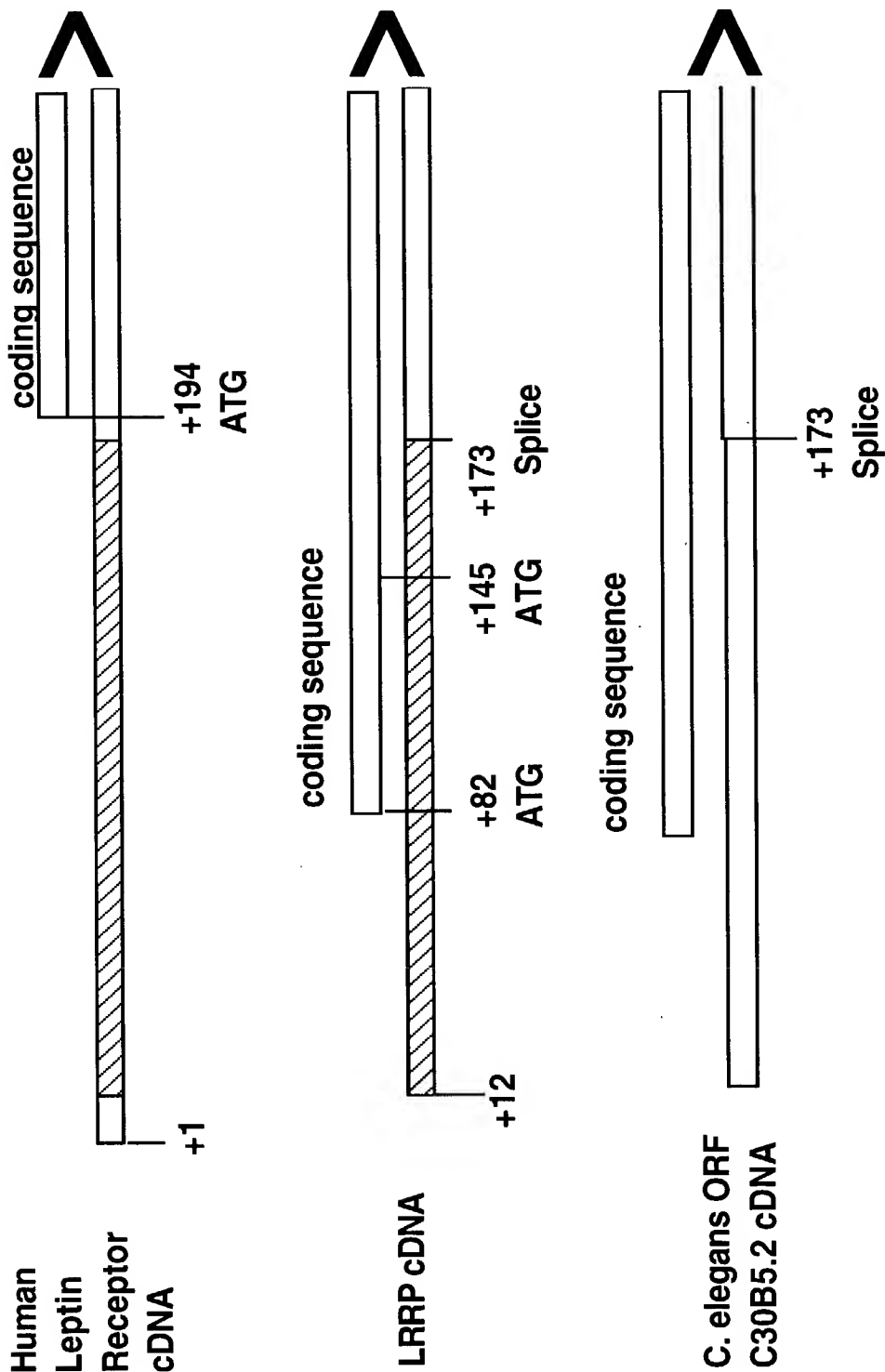
657	GTC	AAA	TTT	AGA	TTA	TGT	TAC	TCA	AAT	TAT	GTT	ACT	TGT	TTG	GCT	GTT	CAT	GTA	702
711	GTC	ACG	GTG	CTC	TCA	GAA	AAT	ATA	TTA	ACG	CAG	TCT	TGT	AGG	CAG	CTG	CCA	CCT	756
765	TAT	GCA	GTG	CAT	CGA	AAC	CTT	TTG	CTT	GGG	GAT	GTG	CTT	GGA	GAG	GCA	GAT	AAC	810
819	GCT	GAA	GCA	GGC	CTC	TCA	TGA	CCC	AGG	AAG	GCC	GGG	GTG	GWT	CCC	TCT	TTK	TTT	864
873	TGT	AGT	CCA	3'															

FIGURE 1C

The Electronic Northern for Clone: 492703
and Stringency >= 50

Library	Lib Description	Abun	Pct Abun
-----	-----	-----	-----
RATRN0T01	heart, right atrium, 51 F	1	0.0861
SYNORAB01	synovium, hip, rheumatoid, 68 F	4	0.0779
LIVRNOM01	liver, 49 M, WM	1	0.0254
PLACNOB01	placenta, neonatal F	1	0.0225
BRSTNOT01	breast, 56 F	1	0.0192
HNT2AGT01	hNT-2 cell line, post-mitotic neurons	1	0.0190
HNT2NOT01	hNT-2 cell line, teratocarcinoma, control	1	0.0172
BRSTTUT03	breast tumor, 58 F, match to BRSTNOT05	1	0.0148
COLNFET02	colon, fetal F	1	0.0142
UCMCL5T01	lymphocytes (umbilical cord), treated IL-5	1	0.0125
MELANOM01	melanocytes, M, NORM, WM	1	0.0108
PLACNOM02	placenta, neonatal F, NORM, WM	1	0.0056

FIGURE 2



* Numbering relative to human leptin receptor
 Hatched area represents identical sequences

FIGURE 3

FIGURE 4

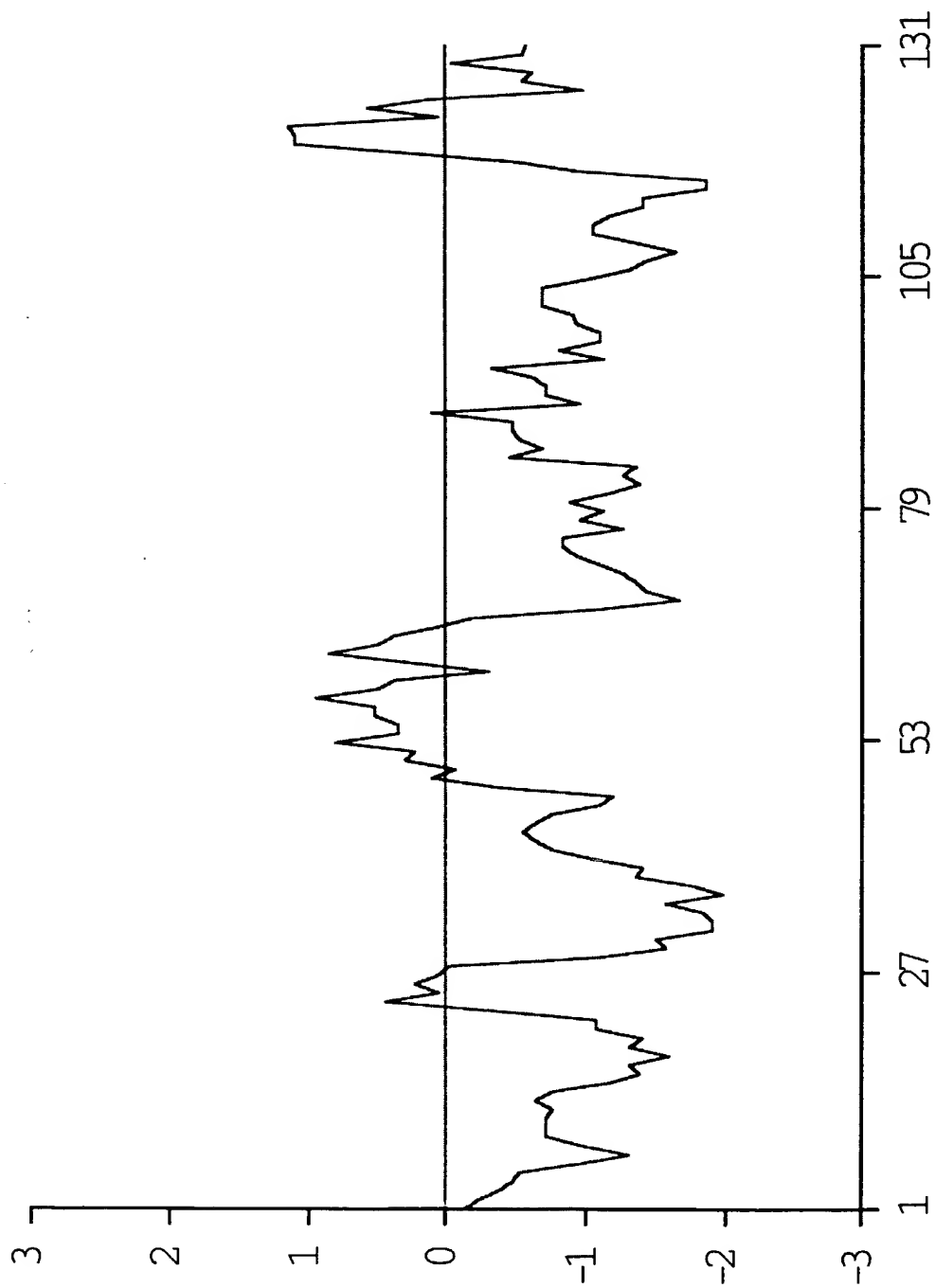


FIGURE 5

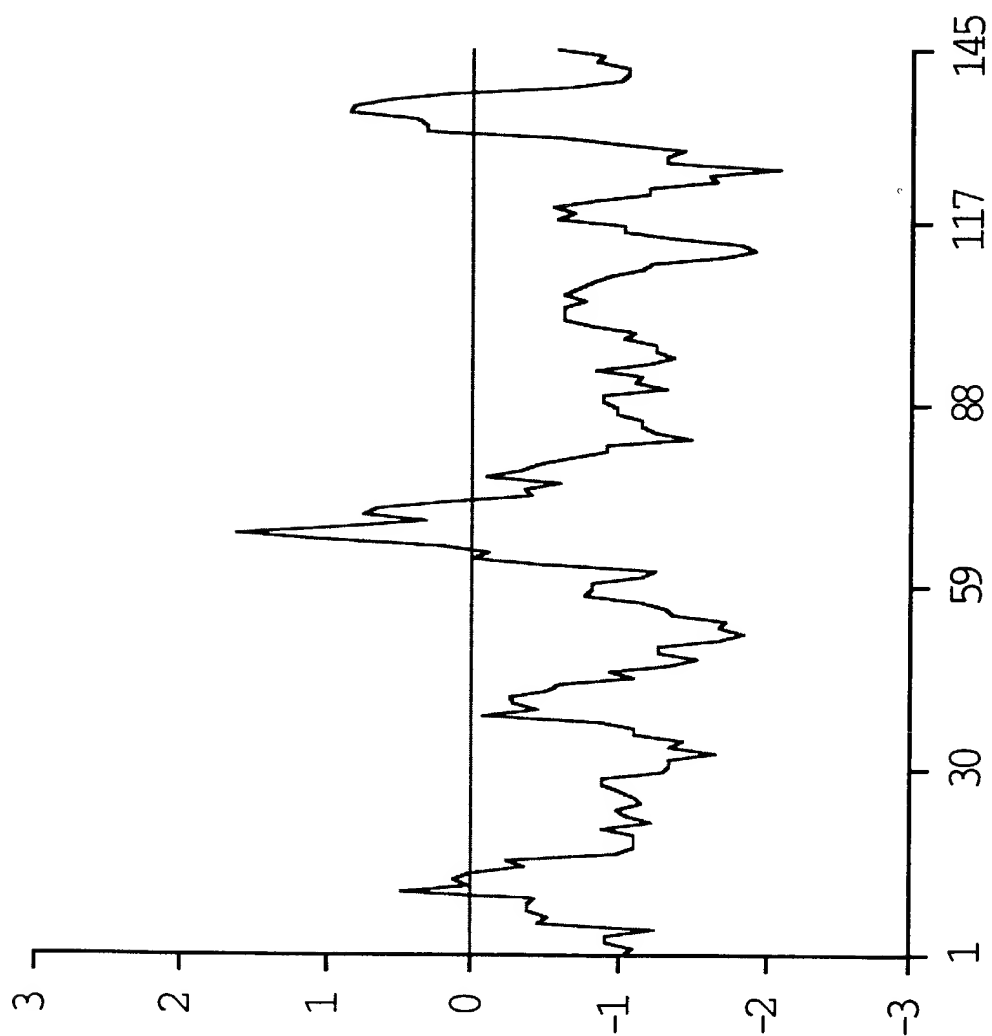
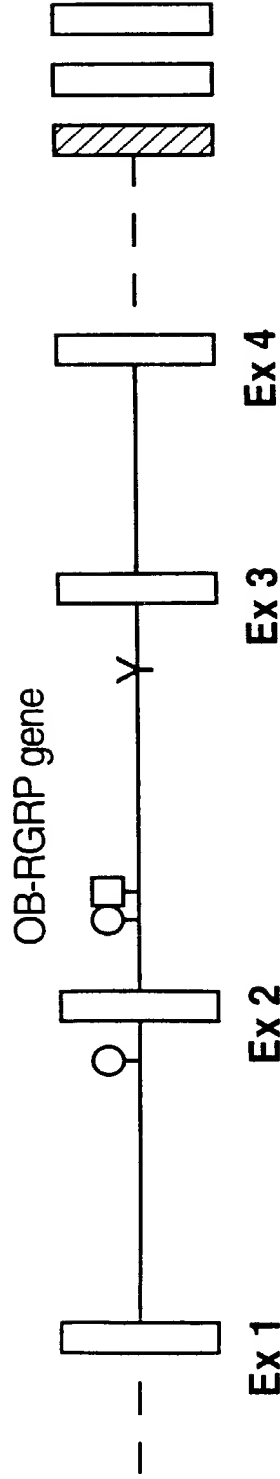


FIGURE 6

Human genomic organization of OB-RGRP



Exon/intron junctions of OB-RGRP gene

MetAlaGlyValLysA	INTRON 1	laLeuValAlaLeuSer
ATGGCGGGCGTTAAAGgtacatcgcg	4.3 KB	cttttggctttattttcacagCTCTCGTGGCATTATCC
AlaLeuGluAspTyrG1	INTRON 2	yValTyrTrpProLeu
GCCTTAGAGGATTATGGtaagtt	4.5 KB	(t)10ggattttgcctgggtccaactgacagCGTTTACTGCCCCCTTA
LeuAlaArgValAlaVal	INTRON 3	IleLysTrpGlyAla
CTTGCTCGTGTGGCTGTGgtaagttt	2.0 KB	tcctctttttcttctgtcttttcagATCAAATGGGGAGCC

FIGURE 7

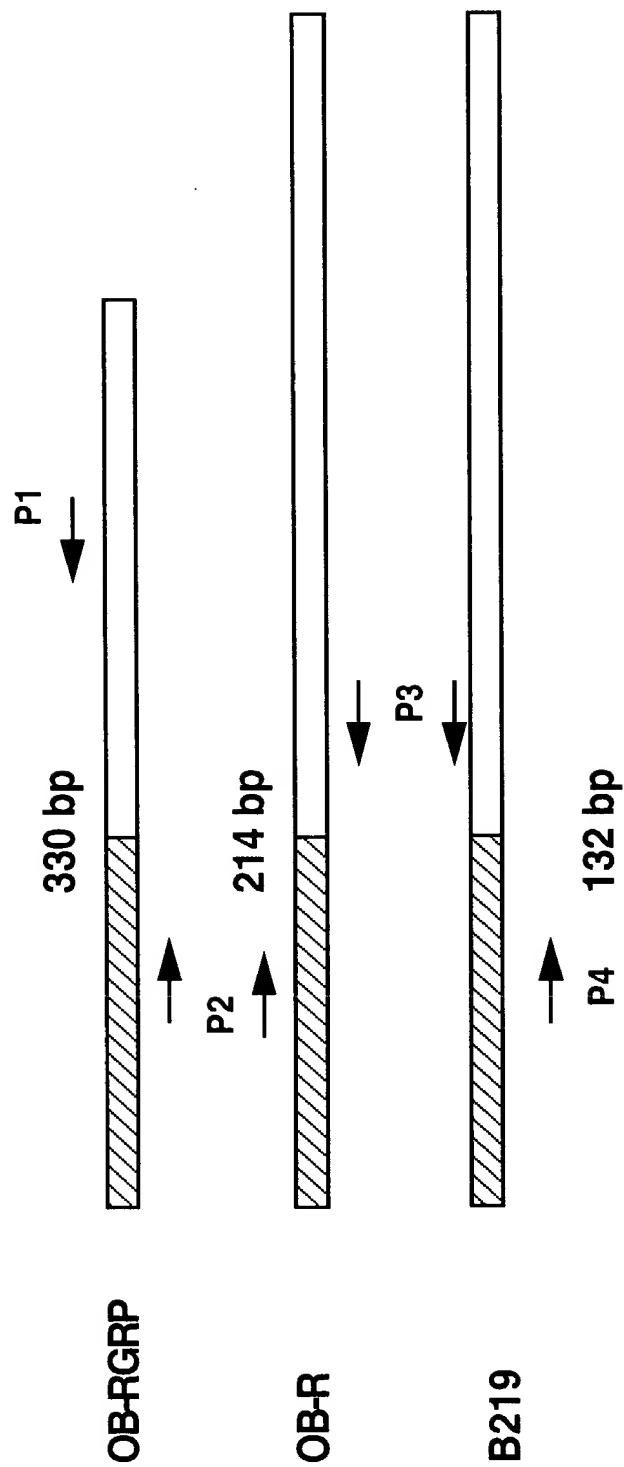


FIGURE 8

